



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

FEB 17 2000

400 Seventh Street, S.W.
Washington, D.C. 20590

DOT-E 11629
(SECOND REVISION)

EXPIRATION DATE: January 31, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: U.S. Department of Defense
Washington, DC
2. PURPOSE AND LIMITATION: This exemption authorizes the transportation in commerce of certain simulators that have a history of outgassing hydrogen due to a reaction between the magnesium based pyrotechnic compounds and internal moisture under prescribed special handling conditions. This exemption provides no relief from any regulation other than as specifically stated herein.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.21(e).
5. BASIS: This exemption is based on the application of Department of Defense dated January 11, 2000, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description -- proper shipping name	Hazard Class/ Division	Identi- fication Number	Packing Group
Fireworks	1.2G	UN0334	II
Fireworks	1.3G	UN0335	II
Cartridges, flash	1.3G	UN0050	II

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7. PACKAGING AND SAFETY CONTROL MEASURES:

- a. PACKAGING -Packaging is in accordance with § 173.62.
- b. TESTING: Simulators which evolve hydrogen at a rate exceeding 0.025 ml/hr each may not be shipped under this exemption.
- c. OPERATIONAL CONTROLS: (i) These devices must be transported in temperature-controlled vehicles with the temperature maintained at 50 degrees F, or less.

(ii) Packages must be degassed within 12 hours before loading.

(iii) Not more than seven pallets may be shipped in a vehicle at a time.

(iv) No shipment may exceed eight days transit time. If a shipment has not reached destination within eight days, the consignee must notify the shipper, and the shipment traced immediately.

8. SPECIAL PROVISIONS:

- a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.
- b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
- c. Drivers must be informed concerning possible formation of a flammable hydrogen-air mixture in the vehicle.
- d. MARKING: The outside of each package must be plainly and durably marked "DOT-E 11629" in letters and numbers at least one-half inch in height.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

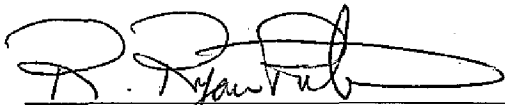
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8 who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving fire, explosion or the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:



For Robert A. McGuire
Acting Associate Administrator
for Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

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